

 UK, ROI & NORTH AMERICA DIVISIONS	DESIGN ENGINEERING SPECIFICATION	0063
SUPPLIER PRODUCT DATA REQUIREMENTS		Revision: A01
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DOCUMENT CONTROL

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ABOUT

Where items are sourced externally to a Supplier's proprietary design (vendor parts), it is vital that sufficient information is shared to provide a full product definition. This makes sure that the Company maintains knowledge of the item and can correctly manage it throughout its lifespan. This includes understanding:

- constraints on the item's size
- how it will perform
- what it is made from and how it may fail or degrade
- how it should be installed
- how it should be operated
- how it should be serviced
- how it should be repaired
- how long it should last
- how it will be supplied
- how it can be disposed of

The importance of such information is commonly overlooked at conception, creating difficulties later in a product's life. This Design Engineering Specification (DES) outlines the minimum information a Supplier must provide for their Product to be considered for use, including an explanation why.

This data can take many different forms but needs to be presented in a common, easy to understand format and retained on file for the life of the Product. Standards for presentation and format are therefore also included.

Generally, the content of this DES represents good engineering practice and will already be followed by many companies. Although the information set out may be detailed, it is not intended to be onerous or present significant work to compile since it should already exist as part of a Supplier's technical file.

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1 SCOPE

This Design Engineering Specification (DES) sets out the data that Suppliers must provide in relation to their Products. It applies to Products where the Supplier is considered the Design Authority, i.e. the owner of or the party responsible for a design. This typically means the Supplier has full ownership of the Product's Intellectual Property (IP) however may also apply where ownership is joint (i.e. collaborative design). Such Products may be referred to as Vendor or OEM parts, as well as Factored Goods¹.

This includes commodities and proprietary materials, such as rubber compounds for use in seals, and raw materials such as sheet metal or hollow sections. It does not apply to items solely designed by the Company as the required information is created internally.

The DES sets out the types of information required for effective use of a Product throughout the different stages its lifespan. It also defines the format and way in which information must be presented.

The DES is applicable to all such Products without direct reference having to be made.

2 NORMATIVE REFERENCES

There are no normative references contained within this DES.

3 INFORMATIVE REFERENCES

The following informative references provide further information which is relevant but not essential to the implementation of this specification.

BS 8888; Technical product documentation and specification

BS EN ISO 9001; Quality management systems

BS ISO 10303; Industrial automation systems and integration. Product data representation and exchange.

¹ - Factored Goods include those supplied between companies within the wider GA group.

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4 DEFINITIONS

4.1 Terms

The following terms apply to the usage of this document:

Term	Definition
Company	Ideal Boilers Group Limited, the registered company name of Groupe Atlantic UK, ROI & North America Divisions.
Declaration	A formal document produced by a Supplier which confirms their Product meets or achieves something, typically a standard or regulation.
Factored Goods	Finished Products which are purchased, sold and distributed by the Company but which undergo no additional processing, modification, or manufacturing. The goods are simply resold unchanged.
Primary Packaging	The packaging which is in direct contact with the Product. I.e. the smallest carton or bag.
Product	Any item provided to the Company by a Supplier.
Secondary Packaging	The packaging which combines all the individually packaged Products (in their primary packaging) together.
Supplier	A person or organisation that provides a Product to the Company.
Tertiary Packaging	The outermost level of bulk packaging which combines all the secondary packaging, typically upon a pallet or within a crate.

4.2 Acronyms

Acronym	Definition
BS	British Standard
CAD	Computer Aided Design
CBAM	Carbon Border Adjustment Mechanism
CE	Conformité Européenne
COSHH	Control of Substances Hazardous to Health
CRMA	Critical Raw Materials Act
DES	Design Engineering Specification
DoC	Declaration of Conformity
DWD	Drinking Water Directive
EEE	Electrical and Electronic Equipment
EMC	Electromagnetic Compatibility
EN	European Standard ("European Norm")
ErP	Energy-related Products
GTIN	Global Trade Item Number
IEC	International Electrotechnical Commission

Acronym	Definition
ISO	International Organization for Standardization
OEM	Original Equipment Manufacturer
PCB	Printed Circuit Board
PLM	Product Lifecycle Management
PMI	Product Manufacturing Information
PPAP	Production Part Approval Process
REACH	Registration, Evaluation, Authorisation and Restriction of Chemicals
RFI	Request for Information
RoHS	Restriction of Hazardous Substances
SDS	Safety Data Sheet
STEP	Standard for the Exchange of Product Data
UIN	Unique Identification Numbers
UKCA	UK Conformity Assessed
WEEE	Waste Electrical and Electronic Equipment

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5 PURPOSE

The provision of data relating to a Product is important in ensuring it is correctly implemented and compliant with both legal and the Supplier's own requirements. This DES therefore aims to:

- Encourage creation and sharing of data
- Ensure R&D teams are in receipt of all required data before Products are implemented into designs
- Promote better understanding of OEM designs and restrictions
- Facilitate creation and maintenance of Technical Files
- Help understand performance limits and identify and mitigate concerns
- Help assure legal requirements are achieved

6 RESPONSIBILITIES

The Supplier shall:

- Provide all data outlined within this DES in a timely manner
- Provide data in the standard formats defined
- Inform the Company whenever a change is made which impacts the information supplied
- Refer only to the latest version of this document
- Withdraw superseded versions from use and clearly mark as not to be used

The Company shall:

- Verify the suitability of a Product from the information provided
- Record such information within its PLM system with reference to its UIN
- Inspect and audit compliance with this specification

7 GENERAL

All information provided shall be relied upon by the Company as true and representative of the Product supplied. Any inaccuracies may result in the Product not conforming to its specification and leaving it open to rejection.

The controlling language of all submissions is English. Where multi-lingual documents are provided, the English text shall be considered the binding version for the purposes of design, quality, procurement and legal compliance.

This standard may be reviewed and updated from time to time. This shall be communicated by the Procurement department and will become effective on the date of issue. It remains the Supplier's responsibility to ensure they are referring to the latest version at the point of accepting an order.

Failure to provide data in line with these requirements may prevent use of the Product by the Company.

The Supplier remains responsible for providing accurate and complete information and for any failures attributed to omissions or inaccuracies in the data supplied.

The requirements of this standard are supplementary to, and do not replace, any other business, quality, procurement or product approval processes, including Production Part Approval Process (PPAP) requirements.

All information required by this standard should be provided as early as reasonably practicable and must be available before the Product is approved for use. As a minimum, sufficient information shall be provided in response to any Request for Information (RFI) to enable an assessment of suitability. A complete product

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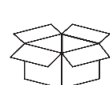
definition should be provided alongside any formal quotation, if not before, and should be supplied as a structured data package wherever practicable (refer to section 8.3).

Where information is not available at the point of quotation, such as in relation to bespoke or customised Products, any exceptions should be agreed in advance and supported by a documented plan and agreed timeline for completion. Such exceptions do not remove the requirement for all applicable information to be available before the Product is approved for use.

8 REQUIREMENTS

8.1 Types of Data

Unless otherwise specified, the types of information outlined within Table 1 below must be provided. Further details can be found in the following sections.

Type		Description	Section
	Dimensional information	Details of the Product's size. Must include tolerance detail for all interfacing and critical features.	8.1.1
	Functional, performance & technical information*	Technical information relating to the Product, generally found upon a specification or data sheet. (e.g. flow rates, capacity, pressure rating, electrical information etc.)	8.1.2
	Material information	Details of what the Product is made from. Must include any appearance, protection or strength properties where applicable (e.g. finishes, coatings, colours etc).	8.1.3
	Installation information*	Details of how the Product should be installed and/or commissioned. To include installation torques where influenced by the Product.	8.1.4
	Operational Information*	Details of use. To include user instructions. Specifically applicable to electrical and/or user interfaces.	8.1.5
	Servicing & Maintenance information*	Details of any servicing requirements. To include service instructions and schedule.	8.1.6
	Compliance information	Details of what approvals, standards or regulations apply to the Product, and any associated compliance evidence or disclosures.	8.1.7
	Packaging, supply & identification information	Details of how the Product will be supplied. To include packaging specification, package size, package quantity, vendor part numbers, labelling and barcoding information etc.	8.1.8
	Warranty & Guarantee Information	Details of any warranty or guarantee the Product has the benefit of.	8.1.9
	End of life information	Details of how the Product is to be disassembled, recycled and/or disposed of.	8.1.10

* – Not applicable to all Products. Refer to relevant section. Appendix A gives examples of the data required for different Products.

Table 1 – Types of Data

It is acceptable (and encouraged) to provide any of the above information by referencing industry standards where they apply. For example, the dimensional information for a M5x20 hexagon socket head cap screw may be provided by referencing BS EN ISO 4762:2004.

For critical or safety related components the Company reserve the right to require additional information to demonstrate the suitability and quality of the Product, such as through FMEAs or Control Plans.

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8.1.1 Dimensional Information

The provision of dimensional information is mandatory for all Products. This is necessary to enable components to be designed into assemblies correctly and effectively without clashes or alignment issues, while accounting for their expected variation.

The Company must be provided with details of the Product's size, shape and form. As a minimum this must include:

- Dimensions of the Product's overall size (length, width & height)
- Dimensions and tolerances of key features including:
 - o Interfaces
 - o Connections
 - o Locating or mounting features
 - o Seal features
 - o Input/output features

Note: Dimensions include both macro and micro features and must include any relevant surface finishes. For example, a roughness value should be included upon any seal faces.

This should generally be provided in the form of a drawing (see 8.2.1) unless dimensions and variation are defined through a standard (e.g. BS 3692 for metric bolts, screws & nuts). Where a standard is used this must be supported by a Declaration of Compliance per section 8.2.4.

8.1.2 Functional, Performance & Technical Information

This applies to any Product which:

- Features a limit of function or performance, or;
e.g. maximum pressure or temperature
- Is dynamic in nature, or;
e.g. includes rotating components
- Has specific functional requirements

This is necessary to specify how the Supplier expects the Product to function and perform, and what the limits of operation are to ensure they are maintained by the final application.

Typical examples of this information include:

- Operating pressure
- Temperature
- Humidity
- Pressure resistance
- Flow rate
- Ingress Protection (IP)
- Weight (mass) in kg
- Voltage
- Power
- Performance data (e.g. pump curves)

Where applicable, these should be defined with minimum and maximum values, or anticipated values at a given performance level or time.

This should generally be provided in the form of a specification or technical data sheet but for simpler Products may be included upon a drawing.

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8.1.3 Material Information

Material information is mandatory for all Products. This must clearly define the material(s) used and any relevant properties needed to verify suitability, performance and regulatory compliance.

Where a material is considered potentially hazardous or requires any form of risk management, a Safety Data Sheet (SDS) must be provided. This is necessary to describe the hazards as required by the Control of Substances Hazardous to Health Regulations (COSHH).

For Products which comprise of a single component such as a screw, nut, or seal, the material information should include:

- The name, type and grade/property class of material
- Any standards to which the material complies plus any official designation
- Details of any finishes or coatings
e.g. paints, plating or lubrication.

For Products comprising an assembly of multiple parts, a parts list should be provided which details each part and its material(s). This may be included within another document such as a drawing or specification, or supplied separately. An example is given below.

ID	Part Number	Material
1		
2		
3		
4		
5		

For complex Product structures this should be structured into levels and broken down per assembly. Electronic components such as PCBs do not ordinarily need to be broken down into their constituent parts.

The use of any materials which are subject to restrictions or specific obligations within the UK or EU must be clearly highlighted by the Supplier. This includes materials covered by, but not limited to, the following legislative frameworks:

- Persistent Organic Pollutants (POPs) Regulation
- Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH) Regulation
- Restriction of the use of certain Hazardous Substances in Electrical and Electronic Equipment (RoHS) Directive
- Waste Framework Directive
- Regulation on Deforestation-Free Products
- Critical Raw Materials Act (CRMA)
- Carbon Border Adjustment Mechanism (CBAM)

Note: These are examples only. Suppliers must continually ensure Products remain compliant with changing legislative requirements.

Where a material holds an approval to an applicable standard, certification and/or a Declaration should be provided to demonstrate compliance (refer to section 8.1.7). For example, this may include the compound of rubber used in a gas seal holding an approval to EN 549 (rubber materials for seals and diaphragms for gas appliances and gas equipment). This requirement need not apply to components used within Products which are approved as a whole, such as gas seals used within a gas valve which holds its own certification.

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Material information may be noted upon a drawing or specification or provided as a separate material datasheet. The latter must be provided where a material is not standardised and must include performance properties. e.g. hardness, compression set or elongation properties for an elastomer.

The Company reserve the right to request a material datasheet where it is considered important to the Product's application.

Where a Product can be manufactured from multiple materials, all materials must be noted on documentation such as drawings, specifications and parts lists. Where required (such as to demonstrate regulatory compliance), a material datasheet for each separate material must be provided.

8.1.4 Installation Information

This applies to any Product that needs to be installed in a certain way, such as where performance or longevity may be impacted by orientation, or where damage can occur due to excess torque of connections. Examples may include:

- Actuators
- Blowers & fans
- Control Modules
- Compressors
- Electrical Connectors
- Heat Exchangers
- Pumps
- Sensors
- Transformers
- Valves

This is necessary to ensure the Product is installed correctly in line with the OEM's requirements and achieves the expected levels of performance.

If installation information is not provided or sufficiently detailed, the Supplier may be liable for any failures which occur and they later attribute to mis-installation.

The installation information should include details such as:

- Installation position & location
- Restrictions (e.g. limits on orientation or position)
- Clearances
- Torques (for any installable fasteners or interfaces)
- Sequences (e.g. where multiple fasteners are used)
- Procedures
- Lubrication requirements
- Electrical connections & associated wiring diagrams
- Electrical supply requirements
- Interface (inlet, outlet etc) positions, sizes, requirements etc.
- Handling requirements
- Preparation, setup and/or commissioning requirements
- Safety considerations
- Assembly information (such as packaging which is supplied flat packed)
- Flow directions

This should generally be provided in the form of an installation drawing and/or manual depending on the level of detail required.

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8.1.5 Operational Information

This applies to any Product which must be operated in a particular way. This specifically includes Products containing an electrical interface. This may be in the form of buttons or switches, a touch-screen display, or simply electrical connections.

The operational information must include details of how the user is to operate the equipment and should include details on features such as:

- Inputs
- Menus
- Settings
- Outputs (such as symbols, lights or screens etc)
- Fault codes

This is necessary to ensure the Product is operated correctly in line with the OEM's requirements.

This should generally be provided in the form of an operation manual or user guide.

8.1.6 Servicing & Maintenance Information

This applies to any Product which includes a servicing or maintenance requirement, or may be disassembled for other purposes. Examples may include:

- Actuators
- Blowers & fans
- Compressors
- Heat Exchangers
- Hydroblocks
- Pumps
- Sensors
- Valves

This is necessary so any requirements can be understood and included within the Company's own literature to ensure the Product is maintained in line with the Supplier's needs and performs throughout the intended lifespan.

Servicing and maintenance tasks may include:

- Inspection and checking
- Cleaning
- Lubrication
- Replacement of parts
- Testing

The information provided should therefore include details such as:

- Servicing and/or maintenance activities
- Disassembly & reassembly instructions
- Service schedules
- Certification and training requirements for personnel
- Tools and consumables required
- Safety precautions
- Spares items and part numbers
- Checklists

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This should generally be provided as a literature document and may be combined with other information such as installation or operation within a wider Product manual.

8.1.7 Compliance Information

This applies to all Products although the level of information required will depend on the nature of the Product and the legislative, regulatory or standards-based frameworks which apply.

The Supplier is responsible for identifying all applicable requirements and ensuring the Product remains compliant throughout its lifecycle.

Compliance information may include, but is not limited to, the following categories.

- Conformity Markings
Products which require a conformity assessment prior to placement on the market must be provided with the appropriate conformity marking and an associated Declaration of Conformity (DoC). This includes where applicable:
 - Conformité Européenne (CE)
 - UK Conformity Assessed (UKCA)
- Specific Regulations & Directives
Products which fall within the scope of specific UK & European Regulations and Directives must be supported by appropriate compliance information.

Examples of such Regulations and Directives include but are not limited to (as amended):

- Low Voltage Directive
- Electromagnetic Compatibility (EMC) Directive
- Ecodesign for Energy-Related Products (ErP) Directive
- Energy Labelling Regulation
- Gas Appliances Regulations
- Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH) Regulation
- Restriction of the use of certain Hazardous Substances in Electrical and Electronic Equipment (RoHS) Directive
- Waste Framework Directive
- Waste Electrical and Electronic Equipment (WEEE) Directive
- Water Supply (Water Fittings) Regulations 1999
- Regulation on Deforestation-free Products
- Drinking Water Directive (DWD)
- Critical Raw Materials Act (CRMA)
- Carbon Border Adjustment Mechanism (CBAM)

Where a formal Declaration of Conformity is required or defined by the regulation, this must be provided.

For regulations which do not operate on the basis of a Declaration of Conformity (including CRMA and CBAM), the Supplier must provide the disclosures, data or supporting information required by the applicable regulation.

In the case of CBAM, this includes (where applicable):

- Product-specific and production-site-specific embedded greenhouse gas emissions data
- Separation of direct and indirect emissions in line with the applicable methodology
- Identification of the production site and country of manufacture
- Coverage of the relevant reporting period

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Where a Product is not directly within the scope of a specific regulation but is used within a finished Product that is regulated, the Supplier must declare that use of their Product would not give cause to non-compliance of the finished Product. This includes declaring that the Product does not contain restricted substances beyond prescribed limits and is necessary to ensure the Company's finished Products remain compliant. Table 2 below outlines applicable regulations where a declaration is required.

Reference	Title
2019/1021	Persistent Organic Pollutants Regulation
1907/2006	Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH) Regulation
2011/65/EU	Restriction of the use of certain Hazardous Substances in Electrical and Electronic Equipment (RoHS) Directive
2008/98/EC	Waste Framework Directive
2012/19/EU	Waste Electrical and Electronic Equipment (WEEE) Directive

Table 2 – EC Regulations & Directives relating to restrictions on substances

Example:

A sheet of hot-dip galvanised steel is not directly within the scope of Directive 2011/65/EU on the Restriction of the use of certain Hazardous Substances in Electrical and Electronic Equipment (RoHS). A finished gas boiler is within scope. Compliance of the finished Product can only be assured by understanding the composition of all containing Products. The steel Supplier must therefore assess their Product and declare whether restricted substances are present and in what quantities.

- Voluntary Approvals

Products supplied with the benefit of a voluntary approval must be supported by a copy of the associated certificate. This includes approval under schemes such as:

- Water Regulations Approval Scheme (WRAS)
- Kiwa UK Water Regulation 4 Testing and Certification (KUKreg4)

- Standards

Products which meet recognised standards such as BS, ISO, EN or DIN must be supported by a Declaration of Conformity (DoC), test certificate or equivalent evidence where applicable. This includes the use of materials approved under standards for specific applications, such as EN 549 for rubber materials used in gas appliances.

Suppliers are responsible for identifying any applicable legislative requirements and ensuring their Product remains compliant at all times. They must:

- Provide all required Declarations, disclosures and supporting information free of charge
- Inform the Company immediately in writing where a Product no longer complies
- Reassess compliance where changes occur to either legislation or Product specification

Compliance information must be provided as a Declaration, Certificate, structured data submission or other documented evidence as required by the applicable legislation, standard or scheme (refer to section 8.2.4).

8.1.8 Packaging, Supply & Identification Information

The provision of packaging, supply and identification information is mandatory for all Products and must clearly convey how the Product is supplied to the Company. This includes detailing all levels of packaging from primary and secondary through to tertiary. This is necessary to ensure packages:

- Suit our handling equipment and can be safely moved around our facility
- Suit our storage racks and can be safely stored
- Can be unpacked and decanted safely with regard to ergonomics
- Can be quickly scanned and traced within our facility

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- Do not create unnecessary waste
- Do not create waste which is difficult to dispose of

Information must include:

- The size of each package (at all levels; including pallet if applicable)
- Packaging material(s) used
- Quantity of Products per package (at all levels; per package and per pallet)
- TI-HI details:
 - o TI (Tier): Quantity of cases per layer
 - o HI (Height): Number of layers
- Weight (mass) of each package
- Weight (mass) of each item of packaging
- Contents (e.g. is the Product supplied with additional fixings or literature)
- Markings upon the packaging
- Position of labels placed upon the packaging (at each level)
- Content of labels placed upon the packaging (at each level)
- Position of labels placed upon the Product
- Content of labels placed upon the Product

Some of this is illustrated by Figure 1 below.

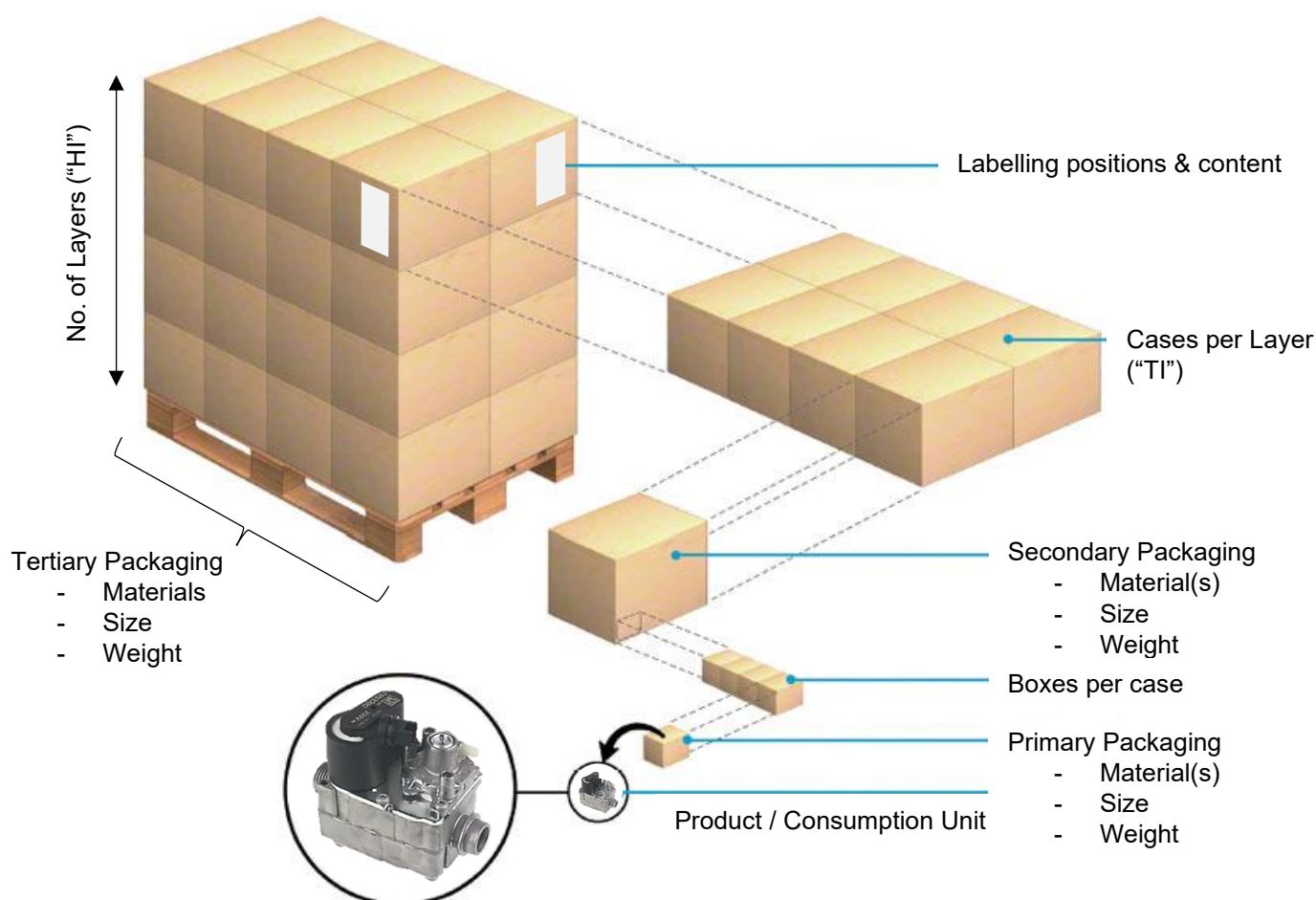


Figure 1 – Example packaging & information required ²

² - Adapted from <https://www.mecalux.co.uk/warehouse-manual/the-warehouse/pallet-unit-load>

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Unless otherwise agreed in writing, the Supplier is responsible for the packaging design and ensuring Products arrive without damage.

Where packaging is returnable, details of its ownership and method of return must also be included. Any such arrangements must be agreed in writing with the Procurement department.

Where applicable the Supplier must also provide the Product's:

- Country of Origin
Details of the country where the Product was produced or manufactured. For further guidance refer to <https://www.gov.uk/guidance/check-your-goods-meet-the-rules-of-origin>
- UK Commodity Code
Applies where the Supplier's registered office is based outside of the UK (i.e. Products which require import or export to the UK). This can be obtained from www.trade-tariff.service.gov.uk
The Commodity Code should also be listed upon the associated quotation or specification document.
- Global Trade Identification Number (GTIN)
Applies to Products which are considered finished goods (factored) where they are supplied using the Supplier's own part number and therefore include an EAN-13 barcode. These may be considered standard Products which are not customised or solely supplied to the Company. Where Products are supplied to the Company's UIN, the GTIN is not required and should be defined by the Company.

This information may be supplied in the form of a packaging and labelling specification.

8.1.9 Warranty & Guarantee Information

The provision of warranty information is mandatory for all Products and must outline any and all warranties or guarantees the Product has the benefit of. This should be supported by information regarding:

- Scope
- Period of cover
- Inclusions
- Exclusions

This information should typically be provided as a Certificate and set of Terms and Conditions.

Provision of this information does not preclude anything included within the Company's standard Terms and Conditions or otherwise agreed in writing.

8.1.10 End of Life Information

The provision of end of life information is mandatory for all Products and must detail:

- Expected technical lifespan of the Product (not the warranty period)
- Disassembly instructions (as required)
- Disposal instructions
- Hazards and safety precautions (including to user and environment)
- Materials and their recyclability
- Location and style of relevant markings (such as for WEEE purposes)

This should generally be provided as a literature document and may be combined with other information such as that concerning installation or operation within a wider Product manual.

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8.2 Document Types & Formats

Unless otherwise agreed, the data within section 8.1 above must be provided according to the types and format of document set out below. This is necessary to aid interoperability and ensure compliance with business systems, quality audits, design traceability and facilitate management of engineering change. Any changes to the agreed specification must be requested through your procurement representative and authorised by the design department.

The minimum level of documentation required for any Product is a technical drawing and an associated 3D model. Information not included within the 3D model must be documented on the associated drawing or supplied separately as supporting documentation. Unless supplied separately, sufficient compliance, packaging, warranty and end-of-life information must therefore be included on the drawing.

In exceptional circumstances, and only with agreement from the design department, specification sheets, catalogue entries or Product Manufacturing Information (PMI) may negate the need for a drawing.

All documents must:

- Include an identification code (e.g. part number or document number).
- Reference the identification number of the Product they relate to.
Note: This may be the Supplier's own or that provided by the Company (UIN).
- Be appropriately revision controlled and reference the same revision level of Product.
- Be written in English (multi-lingual documents are acceptable).
- Clearly highlight changes between versions. This may be in the form of a revision summary, tracked changes and/or highlights.
- Be provided in PDF format (excludes 3D models, see 8.2.5).
- Include the status of the document.
Note: Any documents supplied in Draft or as "work-in-progress" must be released before use by the Company.

8.2.1 Drawings

Drawings must present and communicate the required information clearly and concisely in a standard form. The preferred standard for this is BS 8888. The standard used must be clearly defined upon the drawing, generally within or adjacent to the title block.

Drawings must also:

- Include a fully populated title block with details of:
 - Item identification number
 - Revision
 - Creator
 - Date of creation or release
- Include appropriate tolerancing. Where general tolerancing is used this must be defined such as via a tolerance table or reference to a standard such as ISO 2768
- Use metric units (dual unit drawings are acceptable)
- Clearly control and communicate changes between revisions (such as through use of a revision table)
- Provide sufficient detail to avoid ambiguity

It is considered good practice for drawings to reference associated specification documents.

8.2.2 Specifications

Specification documents are commonly used to outline performance criteria as opposed to dimensional information. As such, drawings are not considered a specification document for the purpose of this section. They instead include technical datasheets, material datasheets, performance specifications and packaging

specifications amongst many others. They often include data presented in a tabular format alongside various technical parameters.

There are no specific requirements for this type of document. The general requirements still apply.

8.2.3 Literature

Literature includes documents such as manuals, guides and instructions. There are no specific requirements for this type of document. The general requirements still apply.

8.2.4 Declarations & Certificates

Declarations and Certificates must:

- Be as specified by the associated legislation, standard or scheme.
- Be provided in PDF format unless otherwise agreed.

Unless otherwise specified they must include:

- The name of the Supplier and any relevant legal entities
- Version information
- Date of creation
- A declaration statement
- The reference codes and titles of the associated legislation, standard or scheme
- Details of the Product, including part number(s)
- Name, position, contact details and signature of the person or persons making the declaration or certifying the Product
- Date the declaration or certification is made

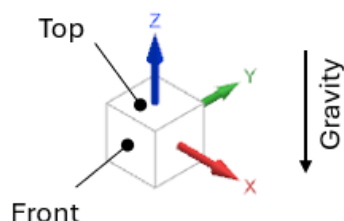
Unless otherwise restricted, multiple Declarations may be combined into a single document providing all legal requirements are maintained.

8.2.5 3D Models

3D models are used for Computer Aided Design (CAD) purposes to create virtual representations of geometry. These are used to check fit, create visualisations, perform simulations and much more. They must therefore accurately represent the supplied Product and be sufficiently detailed.

Unless otherwise agreed, models must:

- Be provided in one of the following formats:
 - o STEP AP214 (ISO 10303)
 - o Parasolid (v38 or earlier)
 - o PRT (NX 2506 or earlier) - must include any linked data
- Comprise solid bodies only
- Accurately define nominal conditions. Where a Product may grow in size during use (such as due to pressurisation), an additional model must be provided which demonstrates the maximum size.
- Be positioned on the absolute origin (coordinates XYZ: 0, 0, 0) and orientated appropriately. The XY plane should be considered the top and XZ the front as illustrated below.



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- Be coloured in line with the materials and finishes of the supplied Product.
- Include any and all interfaces, such as mounting points, pipe or electrical connections.

Models may be simplified through removal of internal voids to alleviate IP concerns and reduce file complexity.

For Products which comprise an assembly of multiple components, separate bodies or parts must be provided for each component which:

- Can move within the main assembly (such as a connection which can rotate to different angles)
- Is removable for servicing or maintenance purposes
- Is considered a spare part
- Is deemed critical (as defined by the Company)

If provided in STEP format this must comprise a multi-body model.

This aims to ensure that:

- Products can be correctly positioned and aligned within their containing assemblies
- Illustrations (including in exploded form) can be created for product literature
- Common spares items can be linked within the PLM system

For further details on the level of detail required, please contact the design department.

8.3 Supply of Data

Wherever possible, the data outlined in the previous sections should be provided as a single package with each file clearly named. A form is available for this purpose – see template SB41524, Supplier Product Data Form as included within Appendix B.

Data should be provided to the procurement representative in the first instance. This may require the use of a file transfer service where files exceed 20 MB. Please contact your procurement representative for suitable providers.

9 SPARE PARTS

Where a Product is supported by spare parts, these parts are to be considered Products in their own right and subject to the requirements of section 8. It is expected however that some documentation will be shared with the main Product such as that relating to functionality, material or installation.

As a minimum, each individual spare part must be supported by dimensional information (per section 8.1.1) and packaging information (per section 8.1.8). If the spare is supplied as a kit of parts this must also detail the entire content by inclusion of a parts list, typically upon a drawing.

10 NON-CONFORMING PRODUCTS

Unless accompanied by an agreed Concession, any Product which does not comply with the Company's specification may be subject to rejection and a credit allowance will be obtained from the Supplier. This includes Products where the data provided is found to be incorrect in relation to the supplied Product.

Where use of non-conforming Products causes components to be scrapped or found unsuitable for use, or creates processing inefficiencies, the Company reserves the right to charge additional costs incurred as a consequence.

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11 DESIGNATIONS & USE

This document is designated as Design Engineering Specification 0063 and considered a company standard. It should be referred to as DES0063.

It applies to all vendor and OEM Products as defined by the Scope.

It does not need to be referenced on individual drawing and specifications and applies automatically.

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APPENDIX A – PRODUCT APPLICABILITY

The table below gives examples of the types of data which would be considered applicable to different types of Product.

Product Type	Data Type									
	Dimensional	Functional, performance & technical	Material	Installation	Operational	Servicing & Maintenance	Compliance	Packaging, Supply & Identification	Warranty	End of Life
Blowers (fans)	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Burners	✓	✓	✓	✓	X	✓	✓	✓	✓	✓
Compressors	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Expansion Vessels	✓	✓	✓	✓	X	✓	✓	✓	✓	✓
Fasteners	✓	✓	✓	X	X	X	✓	✓	✓	✓
Fittings (pipe)	✓	✓*	✓	✓	X	X	✓	✓	✓	✓
Flues	✓	✓	✓	✓	X	✓*	✓	✓	✓	✓
Heat Exchangers	✓	✓	✓	✓	X	✓	✓	✓	✓	✓
Hydroblocks	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Manifolds	✓	✓	✓	✓	X	X	✓	✓	✓	✓
Packaging	✓	✓*	✓	✓*	X	X	✓	✓	✓	✓
PCBs	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Pumps	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Steel (sheet / plate)	✓	✓	✓	X	X	X	✓	✓	✓	✓
Seals	✓	✓	✓	✓*	X	✓*	✓	✓	✓	✓
Sensors	✓	✓	✓	✓	✓*	✓	✓	✓	✓	✓
Valves	✓	✓	✓	✓	✓*	✓	✓	✓	✓	✓
Venturis	✓	✓	✓	✓	X	✓	✓	✓	✓	✓

* Dependent on Product and application.

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APPENDIX B – SUPPLIER PRODUCT DATA FORM

Form SB41524 has been created to clearly capture all the information requested within this document. It can be downloaded from the following link. See Supplier Product Data Form.

<https://idealheating.com/supplier-rating-and-development-process>

Guidance



Supplier Product Data Form

This form should be used to supply product data to the company in line with the requirements of DES 0063.

Supplier Information

Company Name	Click here to enter text.		
Address	Click here to enter text.		
Contact Name	Click here to enter text.	Telephone	Click here to enter text.
Email	Click here to enter text.		

Quotation Details

Quote Reference	Click here to enter text.	📎	Embed quote here
Availability Details	Click here to enter text.		

Product Information

Name / Description	Click here to enter text.				
ID Number & Rev.	Click here to enter text.				

Is the product a bespoke or customised version of a standard item?	☐ Yes ☐ No (product is standard)				
UK Commodity Code	XX	XX	XX	XX	XX
Country of Origin	Click here to enter text.				
European Article Numbering (EAN) Code (finished goods only)	X	X	X	X	X
Packaged Dimensions (Tertiary, as shipped)	Length (mm)	XXXX			
	Width (mm)	XXXX			
	Height (mm)	XXXX			
Further Information	Click here to enter text.				

Please continue overleaf

For Groupe Atlantic use only

IBNP	Click here to enter text.	RFI / RFQ #	Click here to enter text.
UIN	Click here to enter text.	Revision	Click here to enter text.

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Your business and contact information

Your quote reference number & availability information.
Embed quote file in right cell.

Your product ID number & description

Product type – standard / bespoke

Trade compliance information as explained within section 8.1.8

Size of the final unit supplied

Include any additional information or comments as necessary.

(populated internally)

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Supplier Product Data Form

Associated Files & Documents

Please list and embed relevant product documentation below. Refer to DES0063 for requirements.

Most files can be embedded by copy and pasting them into the attachment column. Alternatively:

- Drag and drop them from File Explorer
- Use Insert – Object – Create from File. Please ensure Display as Icon is enabled.
- Provide files separately. Please ensure naming is consistent with the table.

Unless otherwise agreed:

- Documents should be provided in PDF format & in English
- 3D geometry should be provided in STEP AP214 to ISO 10303, Parasolid v38 or earlier, or PRT for Siemens NX 2506 or earlier.

#	Type	Reference / File #	Title	
1	XX.	Click here to enter text.	Click here to enter text.	Embed file here
2	XX.	Click here to enter text.	Click here to enter text.	Embed file here
3	XX.	Click here to enter text.	Click here to enter text.	Embed file here
4	XX.	Click here to enter text.	Click here to enter text.	Embed file here
5	XX.	Click here to enter text.	Click here to enter text.	Embed file here
6	XX.	Click here to enter text.	Click here to enter text.	Embed file here
7	XX.	Click here to enter text.	Click here to enter text.	Embed file here
8	XX.	Click here to enter text.	Click here to enter text.	Embed file here
9	XX.	Click here to enter text.	Click here to enter text.	Embed file here

Please continue overleaf

Populate the details of each file used to provide the required information on each row of the table.

- Type:
Type of file, e.g. 3D Model, Drawing, Material Datasheet, User Guide, Installation Manual etc.
- Reference / File #:
How the file is referenced, e.g. drawing / document number & version
- Title:
Title or name of the file, e.g. document title
- Attachment:
Attachment of the file. Embed file directly into form.
Alternatively provide a folder (.zip) of all files named with the ID number so they can be easily cross referenced.

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Supplier Product Data Form

Information Type (see DES SPEC 0063)	Applicable	Examples	Related File #(s) (from page 2)
Dimensional	☒ Yes	Drawings Standard References CAD Models	Click here to enter text.
Functional, performance & technical	☐ Yes ☐ No	Datasheet / Specification Approval Certificates	Click here to enter text.
Material	☒ Yes	Material Datasheets Approval Certificates RoHS Declaration Safety Datasheet(s)	Click here to enter text.
Installation	☐ Yes ☐ No	Installation Manuals Installation Drawings Connection Schematics	Click here to enter text.
Operational	☐ Yes ☐ No	User Guides Flow Diagrams	Click here to enter text.
Compliance	☒ Yes	Declarations of Conformity Certificates Data Submission	Click here to enter text.
Servicing & Maintenance	☐ Yes ☐ No	Maintenance Manuals Maintenance Schedules Spares Lists	Click here to enter text.
Packaging, Supply & ID	☒ Yes	Packaging Drawings Labelling Drawings Photographs	Click here to enter text.
Warranty & Guarantee	☒ Yes	Certificates Terms & Conditions	Click here to enter text.
End of Life	☒ Yes	Disassembly Instructions Disposal Details WEEE Details	Click here to enter text.

Note, the same document may be used for multiple pieces of information where applicable.

Declaration

The undersigned certifies that the information provided herein is a clear and accurate representation of the product(s) listed and understands that any changes must be pre-authorised through Groupe Atlantic's Engineering Changes process once released.

Signed

X

Please return completed forms to your procurement representative

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Select whether the category of information is applicable to the type of item.

Cross reference the File #(s) (1-9) from the previous table which contain the information requested.

E.g. Dimensional information may be provided using a 3D model and drawing. If the 3D model is the first entry in the previous table and the drawing is the third, enter 1 & 3.

Sign and date to confirm you have completed the form and read and accept the declaration